

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	362498	(hiroya or kobayashi or masaharu or muramatsu).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/05 16:00
L2	352	(kobayashi-hiroya or muramatsu-masaharu).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/05 16:01
L3	30005559	(@pd<"20021010" or @ad<"20021010")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/05 16:01
L4	321	2 and L3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/05 16:01
L5	55	L4 and (cool\$1 or packag\$3 or wir\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/05 16:06
S1	2	"20060151796".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 08:49

S2	0	(photodetect\$4 or photo-detect\$4 or photo detect \$4) near10 (substrate) near10 (peltier) near10 (package) near10 (hole\$1 or open\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 10:10
S3	1	(photodetect\$4 or photo-detect\$4 or photo detect \$4) near10 (substrate) near10 (peltier) near10 (package)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 10:11
S4	0	(photodetect\$4 or photo-detect\$4 or photo detect \$4) near10 (substrate) near10 (peltier) near10 (hole\$1 or open\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 10:13
S5	1	(photodetect\$4 or photo-detect\$4 or photo detect \$4) near10 (substrate) near10 (peltier)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 10:13
S6	2	(substrate) near10 (peltier) near10 (package) near10 (hole\$1 or open\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 10:14
S7	8	(photodetect\$4 or photo-detect\$4 or photo detect \$4) near10 (substrate) near10 (package) near10 (hole\$1 or open\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 10:15
S8	4	(photodetect\$4 or photo-detect\$4 or photo detect \$4) near10 (CCD or charge coupled device or charge-coupled device) near10 (packag\$4) near10 (hole\$1 or open\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 10:53

S10	45	(photodetect\$4 or photo-detect\$4 or photo detect\$4) near10 (CCD or charge coupled device or charge-coupled device) near10 (packag\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 10:59
S11	45	S10 not S7	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 11:00
S12	41	S10 not S8	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 11:00
S13	10971	hamamatsu.as.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 11:00
S14	41	S12 not S13	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 11:01
S15	30005067	(@pd<"20021010" or @ad<"20021010")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 11:01
S16	10	S14 and S15	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 11:02

S17	102	(photodetect\$4 or photo-detect\$4 or photo detect\$4) same (CCD or charge coupled device or charge-coupled device) same (packag\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 11:09
S18	12	(photodetect\$4 or photo-detect\$4 or photo detect\$4) same (CCD or charge coupled device or charge-coupled device) same (packag\$4) same (hole\$1 or open\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 11:10
S20	3	("5600130").PN. OR ("6703598").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/03 11:11
S21	102	(photodetect\$4 or photo-detect\$4 or photo detect\$4) same (CCD or charge coupled device or charge-coupled device) same (packag\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 11:16
S22	4046	(CCD or charge coupled device or charge-coupled device or photodetect\$4 or photo-detect\$4 or photo detect\$4) near10 (packag\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 11:17
S23	13	((CCD or charge coupled device or charge-coupled device or photodetect\$4 or photo-detect\$4 or photo detect\$4) near10 (packag\$4)) same (peltier)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 11:17
S24	11	S23 not S13	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 11:18

S26	63	((CCD or charge coupled device or charge-coupled device or photodetect\$4 or photo-detect\$4 or photo detect\$4) near10 (packag\$4)) and peltier	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 11:29
S27	39	S26 and S15	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 11:29
S28	34	S27 not S13	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 11:30
S29	2	("2001/0033592").URPN.	USPAT	ADJ	ON	2008/03/03 11:34
S30	6	("4957358"   "5216250"   "5543612").PN. OR ("5703352").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/03 11:39
S31	6	("20040075870"   "20040169771"   "5508740"   "5703352"   "6307590"   "6400011").PN. OR ("7120025").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/03 11:40
S32	1	("2004/0169771").URPN.	USPAT	ADJ	ON	2008/03/03 11:40
S33	5	("4803689"   "5005178"   "5031184"   "5457342").PN. OR ("6400011").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/03 11:41
S34	29	("4402185"   "4551760"   "4594613"   "4739409"   "5272535").PN. OR ("5508740").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/03 11:42
S35	30	("4245158"   "4503460"   "4803714"   "4852137"   "4873708"   "4878234"   "4901336"   "4901337"   "4905265"   "4950421"   "4987307"   "5008915"   "5027380"   "5038369"   "5044003").PN. OR ("5216250").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/03 13:09

S36	1	"20020020859".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/03 13:15
S42	1	"6204556".pn.	USPAT	ADJ	ON	2008/03/03 13:23
S43	21	("5019201"   "5463216"   "5576239"   "5728253"   "5729315"   "5748179"   "5769996"   "5786589"   "5789278"   "5827755"   "5846853"   "6002180"   "6011294"   "6018167"   "6025644"   "6039896").PN. OR ("6204556"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/03 13:24
S44	1	"20030034436"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/03 13:27
S47	209	akahori.in.	USPAT	ADJ	ON	2008/03/03 13:28
S48	174	S47 and S15	USPAT	ADJ	ON	2008/03/03 13:28
S53	0	("2006/0151796").URPN.	USPAT	ADJ	ON	2008/03/03 13:39
S54	437	((CCD or charge coupled device or charge- coupled device or detect\$4 or sensor\$4) near10 (packag\$4)) and peltier	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 13:39
S55	229	S54 and S15	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 13:41
S56	149	S55 and (hole\$1 or open\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 13:43

S57	2	"5134274".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 13:53
S58	2	"5808350".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 13:54
S59	2	"4912545".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 13:54
S60	212	((CCD or charge coupled device or charge-coupled device or detect\$4 or sensor\$4) same (packag\$4) same peltier)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 15:23
S61	23	((CCD or charge coupled device or charge-coupled device or detect\$4 or sensor\$4) same (packag\$4) same peltier same (hole\$1 or open \$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 15:24
S63	16	S61 and S15	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 15:24
S64	30	((CCD or charge coupled device or charge-coupled device or detect\$4 or sensor\$4) same (packag\$4) same (cool\$3 or peltier or heat sink or heatsink) same (electrode\$1) same (wir\$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 15:33

S65	13	S64 and S15	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 15:34
S66	212	((CCD or charge coupled device or charge-coupled device or detect\$4 or sensor\$4) same (packag\$4) same (peltier))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 16:03
S67	5509	((CCD or charge coupled device or charge-coupled device or detect\$4 or sensor\$4) same (peltier))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 16:03
S68	3543	S67 and S15	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 16:05
S69	2	"6204556".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 16:10
S70	2	"20010025915".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 16:15
S71	0	("2001/0025915").URPN.	USPAT	ADJ	ON	2008/03/03 16:18



S72	45	((CCD or charge coupled device or charge-coupled device or detect\$4 or sensor\$4) same (peltier) same electrode same (open\$3 or hole \$1))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 16:33
S73	30	("4245158"   "4503460"   "4803714"   "4852137"   "4873708"   "4878234"   "4901336"   "4901337"   "4905265"   "4950421"   "4987307"   "5008915"   "5027380"   "5038369"   "5044003").PN. OR ("5216250").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/03 16:38
S74	59408	(substrate or structure or layer) near10 (CCD or charge coupled device or charge-coupled device or detect\$4 or sensor\$4) near10 (area or region or portion or partial\$2)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 17:04
S75	22439	(substrate or structure or layer) near10 (CCD or charge coupled device or charge-coupled device or detect\$4 or sensor\$4) near10 (thin\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 17:05
S76	11300	(substrate or structure or layer) near10 (CCD or charge coupled device or charge-coupled device or detect\$4 or sensor\$4) near10 (thinner or less or smaller or larger)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 17:06
S77	3	((substrate or structure or layer) near10 (CCD or charge coupled device or charge-coupled device or detect\$4 or sensor\$4) near10 (thinner or less or smaller or larger)) same peltier	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 17:06
S78	13	((substrate or structure or layer) near10 (CCD or charge coupled device or charge-coupled device or detect\$4 or sensor\$4) near10 (thinner or less or smaller or larger)) same package same (hole \$1 or open\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/03 17:11

S79	5514	((CCD or charge coupled device or charge-coupled device or detect\$4 or sensor\$4) same peltier)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/05 09:04
S81	47805	(250/208.1.ccls.) or (438/57,48,26,22,58,60,69,75,116.ccls.) or (257/ e27.151,e31.131,e27.133,e27.136,.e27,159, e27.156,10,11,21,53-56,72,113-118,184-189,225- 234,257-258,290-294,414,431-466,106,79- 103,918,64.ccls.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/05 09:09
S82	70	S79 and S81	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/05 09:10
S83	217	(peltier near10 cooling (plate or layer or substrate or member))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/05 09:13
S84	242	(peltier near10 cool\$3 (plate or layer or substrate or member))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/05 09:14
S85	4	S84 and S81	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/05 09:14

S86	21	(peltier near10 cool\$3 (plate or layer or susbtrate or member)) and ("257".clas. or "438".clas.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/05 09:15
S87	63	(wir\$3) near10 jig near10 packag\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/05 10:22
S88	30005559	(@pd<"20021010" or @ad<"20021010")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/05 10:22
S89	47	S87 and S88	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/05 10:22
S90	7012	(wir\$3) near10 jig	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/05 10:28
S91	5634	S88 and S90	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/05 10:28
S92	12	S81 and S91	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/05 10:30

S93	7021	(wir\$3 or wire bond\$3) near10 jig	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/05 10:35
S94	475	S93 and ("257".clas. or "438".clas.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/05 10:35
S95	315	S94 and S88	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/05 10:35
S96	29	S93 and S81	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/05 10:36
S97	12	S96 and S88	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/05 10:37

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